

computer is operable to compare the DNA analysis results to stored DNA information of the plurality of animals, identify the specific animal that deposited the feces at the location, and generate a billing/fine statement in response to the analysis.

18. The system of claim **15**, wherein the central computer is operable to instruct at least one robotic animal caregiver to collect the feces, perform an analysis to detect a predetermined identification device, and transmit analysis results to a central computer, and the central computer is operable to compare the analysis results to stored identification information of the plurality of animals, identify the specific animal that deposited the feces at the location, and generate a billing/fine statement in response to the analysis.

19. The system of claim **1**, wherein the microprocessor is further operable to analyze a defecation pattern of the plurality of species of animals, and take action in response to detecting abnormality in the defecation pattern.

20. The system of claim **4**, comprising a plurality of smart collars to be worn by a plurality of species of animals, the plurality of smart collars being operable to transmit the geo-location and behavior information of the animal to a central computer, the central computer being operable to determine that one or more animals have defecated at deposit locations in response to analyzing the geo-location and behavior information of the plurality of species of animals and identifying defecating behaviors, and the central computer being operable to generate a survey map identifying a plurality of deposit locations within a survey area, the central computer being operable to instruct the mobility portion of at least one robotic animal caregiver to navigate the housing to the plurality of deposit locations within the survey area according to the map to aid in navigating the housing to the deposit locations to collect feces deposited by the animal.

21. The system of claim **4**, comprising:
a plurality of robotic animal caregivers;
a plurality of smart collars to be worn by a plurality of species of animals, the plurality of smart collars being operable to determine geo-locations and behavior infor-

mation of the plurality of species of animals and transmit the geo-location and behavior information of the plurality of species to a central computer; and
the central computer being operable to determine that one or more animals have defecated at deposit locations in response to analyzing the geo-location and behavior information of the plurality of species of animals and identifying defecating behaviors by comparing with a library of animal behaviors, and the central computer being operable to generate a survey map identifying a plurality of deposit locations within a survey area, the central computer being operable to instruct the mobility portion of the plurality of robotic animal caregivers to navigate the housing to the plurality of deposit locations within the survey area according to the map to aid in navigating the housing to the deposit locations to collect feces deposited by the animal.

22. The system of claim **4**, wherein the microprocessor is operable to issue instructions to the mobility portion of the robotic animal caregiver to keep the animal within a predetermined property boundary in response to the geo-location information of the animal.

23. The system of claim **2**, further comprising a secondary animal waste detection sensor system disposed within the housing to further aid the mobility portion to navigate the housing to the deposit location.

24. The system of claim **2**, wherein the secondary waste detection sensor system is configured to cause the mobility portion to navigate to the deposit location by recognition of a predetermined additive present in food ingested by the animal in response to detecting the presence of the additive in the feces at the deposit location.

25. The system of claim **1**, wherein the smart collar is operable to transmit the behavior information of the animal to the microprocessor, the microprocessor operable to determine the behavior patterns of a plurality of species of animals and take proper action in response to detecting an abnormality in the behavior pattern of the animal.

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